

WHAT IS CLAIMED IS:

1           1.   Substantially plane integrated inductor made on  
2 the surface of a substrate, comprising a first  
3 conducting track having a shape which defines a  
4 predetermined number N of concentric turns, and  
5 comprising a first pair of access points corresponding to  
6 the two respective ends of the said first conducting  
7 track,

8           and further comprising at least a second pair of  
9 access points different from the access points of the  
10 first pair, and placed at two respective regions of the  
11 first conducting track.

1           2.   Integrated inductor according to Claim 1,  
2 wherein the shape of the first conducting track has an  
3 axial symmetry of a determined axis, the said determined  
4 axis being the perpendicular bisector of the segment  
5 formed by the access points of the first pair of access  
6 points.

1           3.   Integrated inductor according to Claim 2,  
2 wherein the said axis of symmetry of the first conducting  
3 track is in addition the perpendicular bisector of the  
4 segment formed by the access points of the second pair of  
5 access points.

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1        4.    Integrated inductor according to Claim 2,  
2 further comprising a second substantially straight  
3 conducting track having an axis coincident with the axis  
4 of symmetry of the first conducting track, and  
5 electrically connected to the first conducting track in a  
6 region corresponding to the middle of the extended length  
7 of the said first conducting track, together with a first  
8 additional access point corresponding to a first end of  
9 the second conducting track.

1        5.    Integrated inductor according to Claim 4,  
2 further comprising a second additional access point  
3 corresponding to a second end of the second conducting  
4 track.

1        6.    Integrated inductor according to claim 1,  
2 wherein the access points of the second pair of access  
3 points are located respectively at approximately one  
4 quarter and three quarters of the extended length of the  
5 first conducting track.

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1        7.    Integrated inductor according to claim 1,  
2 wherein the turns of the first conducting track are  
3 polygonal.

1        8.    Integrated inductor according to Claim 7,  
2 wherein the turns of the first conducting track are  
3 octagonal.

1           9. An integrated electronic circuit comprising a  
2 substantially plane integrated inductor made on the  
3 surface of a substrate, comprising a first conducting  
4 track having a shape which defines a predetermined number  
5 N of concentric turns, and comprising a first pair of  
6 access points corresponding to the two respective ends of  
7 the said first conducting track,

8           and further comprising at least a second pair  
9 of access points different from the access points of the  
10 first pair, and placed at two respective regions of the  
11 first conducting track.

1           10. Integrated electronic circuit according to  
2 Claim 9 further comprising means for applying currents in  
3 phase opposition respectively to each of the access  
4 points of the first pair of access points, and means for  
5 applying currents in phase opposition respectively to  
6 each of the access points of at least one of a second  
7 pair of access points, a first additional access point  
8 and a second additional access point being taken to a  
9 neutral electrical potential.